Title (en)

A FORCE CONCENTRATING UNITARY FITTING

Publication

EP 0299112 B1 19920415 (EN)

Application

EP 87117166 A 19871120

Priority

US 7363787 A 19870715

Abstract (en)

[origin: EP0299112A1] A fitting assembly of the type specifically designed to be used in combination with the gripping, fitting and otherwise interconnection of conduits intended for the containment and flow therethrough of high pressure fluids. The fitting assembly comprises a fitting body having a base (12), an integrally formed outwardly extending segments (16) wherein the base (12) and the segments (16) are disposed in surrounding relation to a substantially coaxially disposed central passage which is dimensioned to receive the conduit (15) therein. A force applying structure (34) is secured in surrounding relation to the plurality of segments (16) and in force transferring engagement to a first outer surface portion of each of the segments (16) and in non-force transferring relation to a second portion of each of the segments (16) wherein a bending moment (38) is created subtantially about a gripping portion such that a bending support surface (25) contiguous to the free end of each segment (16) is forced inwardly towards the conduit within the passage means and into engagement with the outer surface thereof to relieve stress from the point of penetrating or gripping (26') engagement of the gripping portion and the conduit.

IPC 1-7

F16L 19/08

IPC 8 full level

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CPC (source: EP KR)

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Citation (examination)

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